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Next 3 Page(s) In Document Denied

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9 June 1988

MEMORANDUM FOR: Mr. James Taylor
Executive Director, CIA

FROM: Lieutenant General Edward J. Heinz, USAF
Director, Intelligence Community Staff

SUBJECT: CAMS P/S Extension Initiative

1. The original IOC date for RMS has changed from FY 1993 to FY 1995 due to funding delays. As a result, I am concerned about the operational durability of the CAMS Processing Segment (P/S) beyond the originally anticipated FY 1993 date. OIT estimates that certain elements of the current CAMS architecture limit CAMS effectiveness to, at best, the original FY 1993 plan. Thereafter, the risk of degraded performance and maintenance shortfalls will become unacceptable. They recommend initiating a system architecture upgrade now that will enable CAMS to operate until the FY 1995 RMS IOC.

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2. OIT has identified the minimum hardware and software upgrades required to extend CAMS into 1995, or later if necessary. These upgrades have been submitted as the "CAMS Extension Initiative (CEI)," an initiative that will cost approximately \$19.0 million from FY 1989 through FY 1994. This cost includes \$3.9 million as an unfunded requirement in FY 1989 (see chart). The major changes required are the replacement of the Delta Data terminals and the conversion of the CAMS application and the GIMS-III DDMS so that CAMS can move to the new VM/XA operating system. By the end of FY 1991, IBM will no longer support the current VM/SP operating system, making it extremely difficult and highly risky to maintain. It is also becoming more and more difficult to acquire Delta Data terminals, with the likelihood that it will be impossible to do so perhaps as early as 1991. Moreover, if CAMS does not move to VM/XA, the P/S will be unable to run on the larger IBM computers that may be required to process the larger workload anticipated in the mid-90s.

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CAMS LIFE EXTENSION INITIATIVE
(COST IN \$ MILLIONS)

TASK	FY89	FY90	FY91	FY92	FY93	FY94
MAN MACHINE INTERFACE (MMI)						
CONVERSION STUDY	.2					
WORKSTATION MMI(9/89 IOC)	.2	.6				
GIMS TO VM/XA(9/90 IOC)	1.4	1.5				
CAMS TO VM/XA(9/91 IOC)	1.3	1.5	1.4			
WORKSTATION/COMMO	.6	1.9	2.0			
(Replace 300 @ \$15K)						
COMTEN MIM REPLACEMENT	.2	.3	.3			
(50 @ \$16K)						
NEW COMTEN CPUs			1.0			
IBM CPU UPGRADE			1.3	1.2	1.2	1.2
	<u>3.9</u>	<u>5.8</u>	<u>6.0</u>	<u>1.2</u>	<u>1.2</u>	<u>1.2</u>

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3. I fully support OIT's request for funding the CEI. The risks represented by a frozen and unsupported architecture are unacceptable to me and to the imagery Intelligence Community. CAMS must be responsive to changing conditions in the imagery world until RMS is delivered.

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4. Of concern to me also is the Congressional recommended reduction in the FY 1989 CAMS budget of \$2.0 million. Because the impact of this reduction would be to leave the P/S unable to support COMIREX's [REDACTED] management capabilities, our response should be quick and strongly negative. The Congress should be advised that, given an RMS IOC date of 1995, the P/S has seven years of life remaining. [REDACTED]

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5. My Staff is prepared to assist you both in conserving the FY 1989 CAMS budget at its present level and in supporting the acquisition of additional funds for the CEI. Please let me know how we can help. [REDACTED]

[REDACTED]
Edward J. Heinz
Lieutenant General, USAF

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